SYSTEMS AND METHODS FOR MAKING PREDICTION ON ENERGY CONSUMPTION OF ENERGY-CONSUMING SYSTEMS OR SITES

Abstract of Disclosure

An energy-consumption predicting system remotely measures amounts of energy consumed by energy-consuming systems or an energy-consuming site; monitors and compares the real energy usage of the systems or site against expected or predicted values for energy consumption; analyzes and determines likely causes for variances between the real and the predicted values; and recommends to the energy user actions for achieving optimum operation of the systems or site. The energy-consumption predicting system can also forecast the energy usage of the energy-consuming site. The predicted energy usage amounts are outputs of a transfer function that relates the amounts of energy consumed to the operating parameters and other energy-related variables of the energy-consuming systems or site. The energy-consumption predicting system also permits remote access and interaction by the user and allows for integrating energy-related information into an overall strategy for managing the energy-consuming site.

Figures